

Appl. No. 10/058,439
Reply to Office Action of April 9, 2003

1-4 maintain rej'n
5-11 results effective
variable

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A sealing agent for Liquid Crystal dropping method for LCD panels which comprises a photosetting component, a thermosetting component and a photosetting agent, characterized in that the reduction in the logarithm of the specific resistance of liquid crystals as determined by Measurement Method A described in the Detailed Description of the Invention is 8 % or less, and the change in the phase transition temperature of the liquid crystals as determined by Measurement Method B in the Detailed Description of the Invention is 0.5°C or less.

2. (Original) The sealing agent according to Claim 1, characterized in that the reductions in weight at room temperature and at 150°C as determined by Measurement Method C described in the Detailed Description of the Invention are 0.05 weight % or less and 0.5 weight % or less, respectively.

3. (Previously Presented) A LCD panel manufactured by using the sealing agent according to Claim 1.

4. (Previously Presented) A LCD panel manufactured by using the sealing agent according to Claim 2.

✓ 5. (New) The sealing agent according to Claim 1, wherein the reduction in the logarithm of the specific resistance of liquid crystals as determined by Measurement Method A is 5 % or less. S

✓ 6. (New) The sealing agent according to Claim 1, wherein the reduction in the logarithm of the specific resistance of liquid crystals as determined by Measurement Method A is 2 % or less.

✓ 7. (New) The sealing agent according to Claim 1, wherein the reduction in the logarithm of the specific resistance of liquid crystals as determined by Measurement Method A is 1 % or less.

✓ 8. (New) The sealing agent according to Claim 1, wherein the change in the phase transition temperature of the liquid crystals as determined by Measurement Method B is 0.3°C or less. S

✓ 9. (New) The sealing agent according to Claim 5, wherein the change in the phase transition temperature of the liquid crystals as determined by Measurement Method B is 0.3°C or less.

✓ 10. (New) The sealing agent according to Claim 6, wherein the change in the phase transition temperature of the liquid crystals as determined by Measurement Method B is 0.3°C or less.

✓ 11. (New) The sealing agent according to Claim 7, wherein the change in the phase transition temperature of the liquid crystals as determined by Measurement Method B is 0.3°C or less.

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12. (New) The sealing agent according to Claim 1, wherein the photosetting component is an oligomer having a molecular weight of 400 to 1000 with opposite polarity to that of the liquid crystal used.

oligomer near to (molecular weight)

JP ✓ 13. (New) The sealing agent according to Claim 1, wherein the photosetting component is a partially acrylated or partially methacrylated epoxy resin.

diaminodiphenyl sulfone, dicyandiamide, an imidazole compound and an organic acid dihydrazide.

✓ 18. (New) The sealing agent according to Claim 1, wherein the agent further comprises an inorganic filler.

↳ SiO_2 $Si-N$

bead
spacers

✓ 19. (New) The sealing agent according to Claim 18, wherein the inorganic filler is at least one selected from the group consisting of silica and talc.

→ spacer near 6 silica 6

✓ 20. (New) The sealing agent according to Claim 1, wherein the agent has a viscosity of 200,000 to 1,000,000 mPa•s measured at 25°C or less.

(viscosity near 6 ("mPa" adj s))